

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-25 (Canceled)

26. (Currently Amended) A method for drilling a well in a coal seam, comprising:  
pumping a drilling fluid comprising a liquid down a drill string to a bit drilling a  
substantially horizontal well bore in a coal seam; and  
reducing downhole pressure exerted by the drilling fluid in the substantially horizontal  
well bore.

27. (Previously presented) The method of Claim 26, further comprising reducing  
down-hole pressure exerted by the drilling fluid by lightening the hydrostatic pressure of the  
drilling fluid.

28. (Previously presented) The method of Claim 26, further comprising reducing  
down-hole pressure exerted by the drilling fluid by gas lift.

29. (Previously presented) The method of Claim 26, further comprising reducing  
down-hole pressure exerted by the drilling fluid by aerating the drilling fluid.

30. (Previously presented) The method of Claim 26, further comprising reducing  
down-hole pressure exerted by the drilling fluid by circulating compressed air and mixing the air  
with the drilling fluid.

31. (Previously presented) The method of Claim 26, further comprising reducing down-hole pressure exerted by the drilling fluid by pumping the drilling fluid to the surface with a down-hole pump.

32. (Previously presented) The method of Claim 26, further comprising reducing down-hole pressure to nearly zero.

33. (Previously presented) The method of Claim 26, further comprising reducing down-hole pressure below over balanced conditions.

34. (Previously presented) The method of Claim 26, further comprising reducing down-hole pressure to approximately 150-200 pounds per square inch.

35. (Currently amended) A method of forming a well in a coal seam, comprising:  
drilling a well including a substantially horizontal bore in a coal seam using a drilling  
fluid comprising liquid; and

reducing the down-hole pressure sufficiently that drilling conditions are not over  
balanced for drilling of the substantially horizontal bore.

36. (Currently amended) The method of Claim 35, wherein the well comprises a  
substantially horizontal drainage pattern including the horizontal bore.

37. (Currently amended) The method of Claim 36, further comprising reducing the  
down-hole pressure sufficiently that drilling conditions are under balanced for drilling of the  
substantially horizontal drainage pattern.

38. (Previously presented) The method of Claim 35, wherein the coal seam is porous  
and fractured.

Applicant : Joseph A. Zupanick  
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39. (Currently amended) A method for producing gas from a coal seam, comprising:  
drilling using a drilling fluid comprising liquid with drilling conditions that are not over  
balanced a substantially horizontal well bore in a coal seam; and  
producing gas collected by the horizontal well bore to the surface.

40. (Previously presented) A method for accessing a coal seam from the surface, comprising:  
drilling a well bore in a coal seam; and  
during drilling, pumping drilling fluid comprising liquid and cuttings from the well bore to the surface.

41-52 (Canceled)

53. (Previously presented) A method for underbalanced drilling of a coal formation, comprising:  
drilling a substantially horizontal well bore in the coal seam; and  
during drilling of the substantially horizontal well bore in the coal formation, pumping drilling fluid comprising liquid and cuttings from the substantially horizontal well bore to the surface.

54. (Previously presented) A method for accessing a subterranean coal formation from the surface, comprising:

drilling a substantially horizontal well bore in the coal formation; and

during drilling of the substantially horizontal well bore in the coal formation, lightening hydrostatic pressure exerted by drilling fluids on the coal formation, the drilling fluids comprising liquid.

55. (Previously presented) The method of Claim 54, further comprising lightening hydrostatic pressure exerted by the drilling fluids by pumping the drilling fluids from the substantially horizontal well bore to the surface.

56. (Previously presented) The method of Claim 55, further comprising pumping the drilling fluids using a downhole pump.

57. (Previously presented) The method of Claim 55, further comprising pumping the drilling fluids using gas lift.

58. (Previously presented) The method of Claim 55, further comprising pumping drilling fluids from the substantially horizontal well bore to the surface through a second well bore intercepting a substantially horizontal well bore.

59. (Previously presented) The method of Claim 29 wherein pumping a drilling fluid comprising a liquid down a drill string comprises pumping a drilling mud down the drill string.

60. (Previously presented) The method of Claim 35 wherein drilling a well including a horizontal bore in a coal seam using a drilling fluid comprising liquid comprises using a drilling mud.

61. (Previously presented) The method of Claim 40 wherein pumping drilling fluid comprising liquid comprises pumping drilling mud.

62. (Previously presented) The method of Claim 54 wherein lightening hydrostatic pressure exerted by drilling fluids comprises lightening hydrostatic pressure exerted by drilling mud.

63. (New) The method of Claim 53, whereby hydrostatic pressure on the subterranean zone is reduced during drilling.

64. (New) The method of Claim 53, wherein the well bore comprises a first well bore, further comprising pumping drilling fluid and cuttings from the first well bore to the surface through a second well bore.

65. (New) The method of Claim 64, wherein the second well bore comprises a substantially vertical well bore.

66. (New) The method of Claim 64, wherein the first well bore comprises an articulated well bore.

67. (New) The method of Claim 53, further comprising:  
drilling a plurality of lateral well bores; and  
during drilling of the plurality of lateral well bores pumping drilling fluid comprising liquid and cuttings from the substantially horizontal well bore to the surface.

68. (New) The method of Claim 53, wherein the subterranean zone comprises a pressure below 150 pounds per square inch (psi).

69. (New) The method of Claim 53, further comprising pumping drilling fluid and cuttings from the well bore to the surface using a downhole pump.

70. (New) The method of Claim 53, further comprising pumping drilling fluid and cuttings from the well bore to the surface using gas lift.

71. (New) The method of Claim 53, whereby drilling is accomplished without plugging the subterranean zone.

72. (New) The method of Claim 64, the first and second well bores intersecting one another at a junction, further comprising pumping drilling fluid and cuttings from proximate to the junction of the first and second well bores to the surface.

73. (New) The method of Claim 72, wherein the junction comprises a cavity.

74. (New) The method of Claim 26, further comprising:  
pumping the drilling fluid down the drill string during drilling a plurality of lateral well bores in the coal seam off of the substantially horizontal well bore; and  
reducing down-hole pressure exerted by the drilling fluid in the lateral well bore.

75. (New) The method of Claim 26, further comprising drilling the substantially horizontal well bore through a well bore having a radiused portion.

76. (New) The method of Claim 26, wherein the drilling fluid comprises foam.

77. (New) The method of Claim 74, further comprising drilling the substantially horizontal well bore through a well bore having a radiused portion.



78. (New) The method of Claim 35, further comprising:  
drilling a plurality of lateral well bores in the coal seam off the substantially horizontal well bore; and  
reducing the down-hole pressure sufficiently that drilling conditions are not overbalanced for drilling of the lateral well bores.

79. (New) The method of Claim 35, further comprising drilling the substantially horizontal bore through a bore having a radiused portion.

80. (New) The method of Claim 35, wherein the drilling fluid comprises foam.

81. (New) The method of Claim 78, further comprising drilling a substantially horizontal bore through a bore having a radiused portion.

82. (New) The method of Claim 54, further comprising:  
drilling a plurality of lateral well bores from the substantially horizontal well bore; and  
during drilling of the plurality of lateral well bores, lightening hydrostatic pressure exerted by drilling fluids on the coal formation.

83. (New) The method of Claim 54, further comprising drilling the substantially horizontal well bore through a well bore having a radiused portion.

84. (New) The method of Claim 54, wherein the drilling fluid comprises foam.

85. (New) The method of Claim 82, further comprising drilling the substantially horizontal well bore through a well bore having a radiused portion.

86. (New) A method for accessing a subterranean coal formation from the surface, comprising:

drilling through a well bore having a radiused portion a substantially horizontal well bore in a coal formation;

drilling through the well bore having a radiused portion and the substantially horizontal well bore a plurality of lateral well bores in the coal formation; and

during drilling of the substantially horizontal well bore in the coal formation and the plurality of lateral well bores, using a drilling fluid comprising foam.

87. (New) The method of Claim 86, wherein drilling conditions are not overbalanced during drilling of the horizontal well bore and the plurality of lateral well bores.

88. (New) The method of Claim 86, further comprising producing gas and water collected by the substantially horizontal well bore and the plurality of lateral well bores to the surface.

89. (New) The method of Claim 86, further comprising:  
conducting water and gas from the coal formation to a well bore junction, the well bore junction coupled to a fluid collection area at least partially disposed below the substantially horizontal well bore;

collecting water in the fluid collection area from the substantially horizontal well bore and the plurality of lateral well bores for production to the surface;

pumping water from the fluid collection area to the surface; and

producing gas to the surface.